

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/011248

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01P3/489 G01P21/02 H02H3/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01P H02H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 195 24 718 A (KNORR BREMSE SYSTEME) 13 February 1997 (1997-02-13)	1, 2, 4-7
Y	abstract column 1, paragraph 1 - column 1, paragraph 5 column 2, paragraph 1 - column 2, paragraph 3 column 3, paragraph 2 - column 3, paragraph 4 column 3, last paragraph	3
Y	DE 34 36 433 A (VOEST ALPINE FRIEDMANN) 10 April 1986 (1986-04-10) abstract; figure 1 page 5, last paragraph - page 6, paragraph 3	3
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

17 January 2005

Date of mailing of the international search report

04/04/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 913 911 A (BECK KARL ALLEN ET AL) 22 June 1999 (1999-06-22) column 12, paragraph 4 - column 13, paragraph 2; figure 5	1,2
Y	US 5 410 441 A (ALLMAN MICHAEL E) 25 April 1995 (1995-04-25) column 2; figure 1	1,2,4
Y	DE 34 25 235 C (BSO STEUERUNGSTECHNIK GMBH) 12 March 1992 (1992-03-12) claim 1; figure 1	1,2,4

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